

AMENDMENTS TO THE CLAIMS:

• This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-4. (Cancelled)

5. (New) A sensor system comprising:

a first sensor for receiving power via a line, the first sensor including a transmitter module for transmitting, at a point in time of receiving a first power level, data via the line for a first time interval; and

a second sensor connected to the line in parallel to the first sensor, the second sensor transmitting data after the first time interval for a second time interval,

wherein each of the first and second sensors includes a timing sequence control system which is triggered by the point in time and controls a subsequent transmission of the first and second sensors.

6. (New) The sensor system according to claim 5, wherein the first and second sensors are always powered at at least a second power level, the second power level being lower than the first power level.

7. (New) The sensor system according to claim 5, wherein the first and second sensors detect at least the first power level via a voltage change.

8. The sensor system according to claim 5, wherein the first and second sensors are connected to a control unit via the line, data transmission only being provided from the sensors to the control unit.